

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/101318 A2

(51) International Patent Classification⁷: **B60R 11/00**

(21) International Application Number:
PCT/US2004/013880

(22) International Filing Date: 5 May 2004 (05.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/468,508 7 May 2003 (07.05.2003) US
60/501,934 11 September 2003 (11.09.2003) US

(71) Applicant (for all designated States except US): **JOHN-
SON CONTROLS TECHNOLOGY COMPANY**
[US/US]; 650 Waverly, Holland, MI 49423 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDERSON, Rick,
A.** [US/US]; 13636 Lincoln Street, Grand Haven, MI

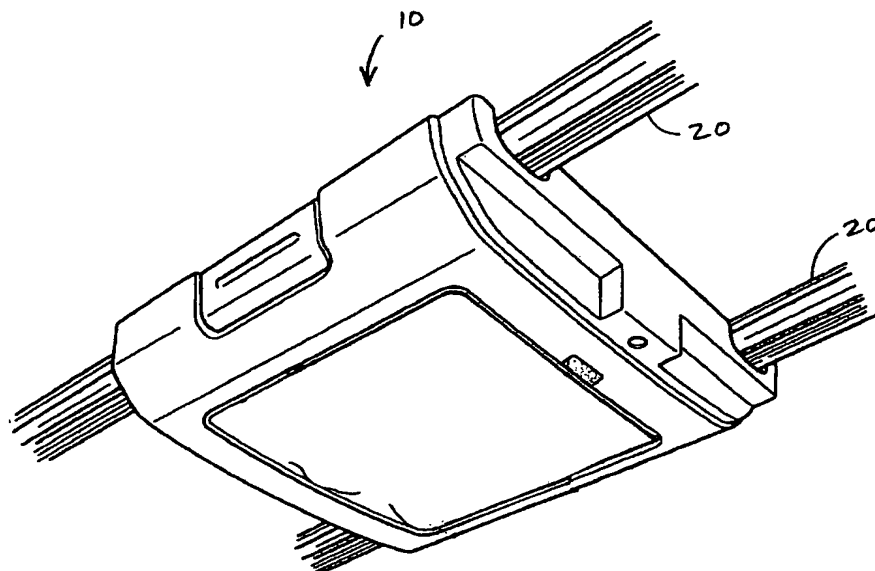
49417 (US). **RUITER, Andrew, K.** [US/US]; 13137
Acacia Drive, Grand Haven, MI 49417 (US). **HODGSON,
Thomas, S.** [US/US]; 1009 East 10th Street, Holland, MI
49423 (US). **FOX, Mathias, R.** [US/US]; 4563 Majestic
Vue, Zeeland, MI 49464 (US). **SPOERRE, Steven, M.**
[US/US]; 3979 62nd Street, Holland, MI 49423 (US).
KALIS, Matthew, A. [US/US]; 3703 Black Creek Drive,
Hudsonville, MI 49426 (US). **ANDERSON, Kermit, M.**
[US/US]; 290 Sandy Court, Holland, MI 49424 (US).
JONES, Bryan, T. [US/US]; 1361 Spinnaker Court,
Holland, MI 49424 (US). **KADZBAN, Mark, P.** [US/US];
304 Maier Court, Grandville, MI 49418-2171 (US).
THOMPSON, Joseph, M. [US/US]; 3390 Creek Court,
Holland, MI 49424 (US).

(74) Agent: **LAZARUS, John, M.**; Foley & Lardner LLP, 777
East Wisconsin Avenue, Milwaukee, WI 53202-5306 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

[Continued on next page]

(54) Title: ATTACHMENT SYSTEM FOR MODULES IN A VEHICLE



(57) Abstract: An attachment system for coupling a module to a rail member on an interior portion of a vehicle is disclosed and includes a latching member. The latching member includes a projection configured to operably engage the rail member by rotation of the lever. An attachment system for coupling a module to a vehicle is also includes a latch device having a hook member pivotally coupled to a lever so that movement of the lever operates the hook as an over-center device to releasably engage the rail member. An attachment system also includes a flange extending from the latch device and configured to engage a recess on the rail member.



MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.